

Sampling and Testing Guide-Minimum Frequency

Matls. I.M. 204
Appendix M (U.S.) Units

CONCRETE BRIDGE FLOOR REPAIR & OVERLAY AND SURFACING Section 2413

April 30, 2002
Supersedes April 3, 2001

MATERIAL OR CONSTRUCTION ITEM	TESTS	METHOD OF ACCEPTANCE AND RELATED IMS	QC/ACCEPTANCE S&T					ASSURANCE, CORRELATION AND VERIFICATION S&T						REMARKS ➡
			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	
SOURCE INSPECTION														
Aggregates-Fine (4110)		AS 209												
Aggregates-Coarse (4115)		AS 209												
Portland Cement (4101)	Quality	AS 401												
Mixing Water (4102)	Quality	Lab Tested	RCE	➡ 1/source	1 qt.	CTRL								Not needed for potable Municipal Water
Air Entraining Admixture (4103)	Quality	AB 403												
Water Reducing Admixture (4103)	Quality	AB 403												
Retarding Admixture (4103)		AS 403												
Curing Compound (4105)	Lab Tested	405	DME 1/lot	1/lot ➡	1 pt	CTRL								Sample lots not previously reported
PLANT INSPECTION														
Aggregate-Fine (4110)		AS CERT												
Aggregate-Coarse (4115)	Quality	AS CERT						V	DME	1/project ➡	50 lb	CTRL		DME may adjust frequency
Portland Cement (4101)	Quality	AS CERT						V	DME	1/project	15 lb	CTRL		
Air Entraining Admixture (4103)		AB 403	RCE	Each ➡ Lot	1 pt	CTRL								Sample if not previously reported
Water Reducing Admixture (4103)		AB 403	RCE	Each ➡ Lot	1 pt	CTRL								Sample if not previously reported
Retarding Admixture (4103)		AB 403	RCE	Each ➡ Lot	1 pt	CTRL								Sample if not previously reported
Latex Emulsion		Certification		Each Lot										
AS-Approved Source AB-Approved Brand ASD-Approved Shop Drawing S&T-Sampling & Testing		Cert A-Type A Certification Cert B-Type B Certification Cert C-Type C Certification Cert D-Type D Certification			RCE-Resident Construction Engineer/Project Engineer DME-District Materials Engineer CTRL-Central Materials Office CONTR-Contractor				ASSUR-Independent Assurance VERIF-Verification CORR-Correlation MON-Monitor					

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			SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	S&T TYPE	SAMPLE BY	FREQ.	SAMPLE SIZE	TEST BY	REPORT	
GRADE INSPECTION														
Plastic Concrete (2413)	Air	318, 327	RCE	1/100 sy		RCE	830211	ASSUR	DME	1/project		DME		
	Slump	317, 327	RCE	1/100 sy		RCE	830211	ASSUR	DME	1/project		Witness Only		
	Density	358	RCE	➡ 6/bridge		RCE	1297	ASSUR	DME	1/project		Witness Only		Minimum of 1 per placement
	Thickness		RCE	3/50 sy		RCE	Field Book							
	Cylinders								DME	3/project		DME		Primary Projects only (Information Only)
Concrete Sealer (2413.09)	Quality	AB 491.12												
AS-Approved Source AB-Approved Brand ASD-Approved Shop Drawing S&T-Sampling & Testing			Cert A-Type A Certification Cert B-Type B Certification Cert C-Type C Certification Cert D-Type D Certification			RCE-Resident Construction Engineer/Project Engineer DME-District Materials Engineer CTRL-Central Materials Office CONTR-Contractor			ASSUR-Independent Assurance VERIF-Verification CORR-Correlation MON-Monitor					